

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: December 3, 2000, 18:25:29 ; Search time 23795.2 seconds  
(without alignments)  
1132.312 Million cell updates/sec

Title: US-09-227-881-3  
Perfect score: 6169  
Sequence: 1 atctgtgtcagttacatc.....ctgtgtccctccatgtcag 6169  
Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1033670 seqs, 2183789903 residues

Total number of hits satisfying chosen parameters: 2067340

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

GenEmbl:\*  
1: gb\_bal:\*  
2: gb\_bal2:\*  
3: gb\_om:\*  
4: gb\_ov:\*  
5: gb\_pat:\*  
6: gb\_ph:\*  
7: gb\_pl1:\*  
8: gb\_pl2:\*  
9: gb\_pr1:\*  
10: gb\_pr2:\*  
11: gb\_pr3:\*  
12: gb\_ro:\*  
13: gb\_sy:\*  
14: gb\_un:\*  
15: em\_fun:\*  
16: em\_hum1:\*  
17: em\_hum2:\*  
18: em\_in:\*  
19: em\_om:\*  
20: em\_or:\*  
21: em\_ov:\*  
22: em\_pat:\*  
23: em\_ph:\*  
24: em\_pl:\*  
25: em\_ro:\*  
26: em\_sts:\*  
27: em\_sy:\*  
28: em\_un:\*  
29: em\_vi:\*  
30: gb\_bal3:\*  
31: gb\_in1:\*  
32: gb\_in2:\*  
33: gb\_in3:\*  
34: gb\_pl3:\*  
35: gb\_pr4:\*  
36: em\_bal:\*  
37: em\_bal2:\*  
38: em\_bal3:\*  
39: em\_bal4:\*  
40: em\_bal5:\*  
41: em\_bal6:\*  
42: em\_bal7:\*  
43: em\_bal8:\*

44: em\_htg7:\*  
45: em\_htg8:\*  
46: em\_htg9:\*  
47: em\_htg10:\*  
48: em\_htg11:\*  
49: em\_htg12:\*  
50: em\_htg13:\*  
51: em\_htg14:\*  
52: em\_htg15:\*  
53: em\_htg16:\*  
54: em\_htg17:\*  
55: em\_htg18:\*  
56: em\_htg19:\*  
57: em\_htg20:\*  
58: em\_htg21:\*  
59: em\_htg22:\*  
60: em\_htg23:\*  
61: em\_hum4:\*  
62: em\_hum5:\*  
63: em\_hum6:\*  
64: em\_hum7:\*  
65: gb\_pr5:\*  
66: gb\_pr6:\*  
67: gb\_pr7:\*  
68: gb\_htg1:\*  
69: gb\_htg2:\*  
70: gb\_htg3:\*  
71: gb\_htg4:\*  
72: gb\_htg5:\*  
73: gb\_htg6:\*  
74: gb\_htg7:\*  
75: gb\_htg8:\*  
76: gb\_htg9:\*  
77: gb\_htg10:\*  
78: gb\_htg11:\*  
79: gb\_htg12:\*  
80: gb\_htg13:\*  
81: gb\_htg14:\*  
82: gb\_htg15:\*  
83: gb\_htg16:\*  
84: gb\_htg17:\*  
85: gb\_htg18:\*  
86: gb\_htg19:\*  
87: gb\_htg20:\*  
88: gb\_htg21:\*  
89: gb\_htg22:\*  
90: gb\_htg23:\*  
91: gb\_sts1:\*  
92: gb\_sts2:\*  
93: gb\_v11:\*  
94: gb\_v12:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
c 1	6105.4	99.0	79376	65	HS454G6 298750 Human DNA s
2	6054.4	98.1	170425	77	AC024490 Homo sapi
3	5300	85.9	5300	11	AF007562 AF007562 Homo sapi
4	2677.4	43.4	2800	66	HSMT0C1 AF049791 Homo sapi
5	1190.4	19.3	1228	9	AB006686 Homo sapi
6	1084.4	17.6	1086	66	HSGLC1A1 AB006686 Homo sapi
7	651.2	10.6	1934	35	D88214 297171 Homo sapien
8	640.4	10.4	1999	5	AR030962 Sequence AR030962 Sequence
9	640.4	10.4	1999	5	AR065089 Sequence AR065089 Sequence
10	640.4	10.4	1999	5	AR065089 Sequence AR065089 Sequence
11	640.4	10.4	2000	66	HS085257 U85257 Human trabe
12	640.4	10.4	2002	5	A84847 Sequence 2 A84847 Sequence 2

13	635.6	10.3	2000	5	A84850	Sequence 2
14	626.4	10.2	2061	66	HS4F001620	AF001620 Homo sapi
15	604.4	9.8	1512	5	A84848	Sequence 3
16	604.4	9.8	1512	5	AR030963	Sequence 3
17	604.4	9.8	1512	5	AR066023	Sequence 3
18	604.4	9.8	1512	5	AR069090	Sequence 3
19	599.6	9.7	1512	5	A84851	Sequence 3
20	585.8	9.5	2800	12	MMTMC1	Mus muscu
21	559	9.1	1016	12	MMTMC1	Mus muscu
22	556.6	9.0	1969	5	AR020502	Sequence 2
23	556.6	9.0	1969	5	AR020502	Sequence 2
24	519.6	8.4	1491	5	AR020503	Sequence 3
25	519.6	8.4	1491	5	AR020503	Sequence 3
26	440.8	7.1	2009	12	AB013592	Mus muscu
27	440.8	7.1	2009	12	AB013592	Mus muscu
28	430.4	7.0	2044	12	AB013593	Rattus no
29	426.2	6.9	2068	12	AB013593	Rattus no
30	398.8	6.5	1473	3	AB027758	Rattus no
31	217	3.5	228	11	AF007564	Homo sapi
32	189.8	3.1	161577	10	AC007688	Homo sapi
33	189.8	3.1	193123	77	AC023790	Homo sapi
34	189	3.1	199722	71	AC012404	Homo sapi
35	187.8	3.0	97037	9	AC004973	Homo sapi
36	187.8	3.0	135038	67	HDYXMD703	Homo sapi
37	185.8	3.0	76727	65	HS821D11	Human DNA
38	185.8	3.0	152044	79	AC026395	Human DNA
39	185.8	3.0	157057	78	AC025947	Homo sapi
40	185.8	3.0	161499	72	AC015488	Homo sapi
41	185.8	3.0	184686	86	AL161726	Homo sapi
42	185.8	3.0	200681	69	AC008755	Homo sapi
43	185.6	3.0	201372	86	AL157941	Homo sapi
44	184.8	3.0	146190	89	AP001813	Homo sapi
45	184.8	3.0	163494	89	AP002391	Homo sapi

## ALIGNMENTS

RESULT 1  
HS454G6/c  
LOCUS  
DEFINITION  
Human DNA sequence from PAC 454G6 on chromosome 1q24. Contains  
triabecular meshwork inducible glucocorticoid response protein,  
TIGR, myocillin, ESTs and STS.  
ACCESSION  
298750  
VERSION  
1q24: myocillin, TIGR.  
KEYWORDS  
human.  
SOURCE  
Homo sapiens  
ORGANISM  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.  
1 (bases 1 to 79376)  
Direct Submission  
Submitted (27-OCT-1997) Chromosome 1 Project Group  
(http://www.sanger.ac.uk/HGP/Chr1/) Sanger Centre, Hinxton,  
Cambridgeshire, CB10 1SA, UK. E-mail enquiries:  
humquerry@sanger.ac.uk Clone requests: clones@clones.sanger.ac.uk  
On Feb 14, 1998 this sequence version replaced g1:246560.  
IMPORTANT: This sequence is not the entire Inset of clone 454G6.  
It may be shorter because we only sequence overlapping sections  
once, or longer because we arrange for a small overlap between  
neighbouring submissions.

During sequence assembly data is compared from overlapping clones.  
Where differences are found these are annotated as variations  
together with a note of the overlapping clone name. Note that the  
variations annotated may not be found in the sequence submission  
corresponding to the overlapping clone as we submit sequences with  
only a small overlap as described above.  
This sequence was generated from part of bacterial clone contigs of  
human chromosome 1, constructed by the Sanger Centre chromosome 1  
mapping group. Further information can be found at  
http://www.sanger.ac.uk/HGP/Chr1/

This sequence has been finished according to sequence map criteria  
as follows. An attempt is made to resolve all sequencing problems,  
such as compressions and repeats, but not necessarily within known  
annotated human repeat sequence elements (e.g. Alu). Where the  
sequence is ambiguous, there is an annotation using the 'unsure'  
feature key.  
The true left end of clone 454G6 is at 1 in this sequence. The true  
left end of clone 560B9 is at 79273.  
454G6 is from the library RPC13 constructed at the Roswell Park  
Cancer Institute by the group of Pieter de Jong.  
For further details see <http://bacpac.med.buffalo.edu/>.

## FEATURES

source  
1. 79376  
/organism="Homo sapiens"  
/db\_xref="taxon:9606"  
/chromosome="1"  
/map="1q24"  
/clone="RP3-454G6"  
/clone="11b-RPC1-3"  
435. 472  
repeat\_region  
/note="19 copies of 2 mer 82 & conserved"  
prim\_transcript 1914. >3968  
/note="match: multiple ESTs  
match: R56676 AA043968 W63639 F12081 AA046699  
match: F02925 AA131540 W00634 R36066  
match: AA163561 F02925 AA131540 W00634 R36066  
match: AA131383 AA163561 N89173 AA174814 AA057059  
match: AA329084 W47082 AA043955 AA417183 AA333681  
match: AA046487 AA369741 H08313 AA186895 H32730  
match: H08333 H08236 N42052 D61944 R27102 N32353  
match: N30491 AA307150 AA192"  
3703. 3746  
/note="22 copies of 2 mer 89 & conserved"  
4051. 4183  
repeat\_region  
/note="AluSg repeat: matches 1. 133 of consensus  
incomplete repeat"  
4200. 4502  
repeat\_region  
/note="AluSg repeat: matches 2. 301 of consensus"  
4659. 4851  
repeat\_region  
/note="AluSg repeat: matches 2. 194 of consensus  
incomplete repeat"  
5216. 5345  
repeat\_region  
/note="AluSg repeat: matches 132. 1 of consensus  
incomplete repeat"  
7759. 7907  
repeat\_region  
/note="MIR repeat: matches 174. 1 of consensus"  
7933. 9328  
repeat\_region  
/note="TIGER1 repeat: matches 1. 1472 of consensus"  
9332. 9626  
repeat\_region  
/note="AluSg repeat: matches 1. 289 of consensus"  
9639. 10335  
repeat\_region  
/note="TIGER1 repeat: matches 1469. 2174 of consensus"  
10343. 10642  
repeat\_region  
/note="AluSg repeat: matches 1. 300 of consensus"  
10643. 10856  
repeat\_region  
/note="TIGER1 repeat: matches 2175. 2417 of consensus"  
<10903. >16855  
/note="endogenous retroviral sequence"  
10949. 11384  
repeat\_region  
/note="LRR2 repeat: matches 31. 449 of consensus"  
15835. 15870  
repeat\_region  
/note="18 copies of 2 mer 83 & conserved"  
16856. 17286  
repeat\_region  
/note="LRR2 repeat: matches 31. 449 of consensus"  
17287. 17574  
repeat\_region  
/note="AluSg repeat: matches 15. 300 of consensus"  
18294. 18650  
repeat\_region  
/note="TIGER1 repeat: matches 358. 1 of consensus"  
18877. 19180  
repeat\_region  
/note="AluSg repeat: matches 301. 2 of consensus"  
19767. 20013  
repeat\_region  
/note="MIR2-internal repeat: matches 5002. 4750 of  
consensus"

repeat_region	20051..20118	/note="MUT1 repeat: matches 539. .471 of consensus
repeat_region	20130..20261	/note="AluB repeat: matches 131. .1 of consensus
repeat_region	20264..20722	incomplete repeat"
repeat_region	20726..21223	/note="MUT1 repeat: matches 482. .1 of consensus"
repeat_region	20838..21223	/note="NSTD repeat: matches 394. .1 of consensus"
repeat_region	21216..21302	/note="MUT2_internal repeat: matches 4520. .4433 of
repeat_region	21403..21703	consensus"
repeat_region	21978..22357	/note="MUT2_internal repeat: matches 3887. .3580 of
repeat_region	22363..22524	consensus"
repeat_region	22531..22839	/note="MUT2_internal repeat: matches 2495. .2317 of
repeat_region	23007..23309	consensus"
repeat_region	23286..23680	/note="AluSP repeat: matches 302. .1 of consensus"
misc_feature	23286..23680	/note="STS G07544"
misc_feature	24008..24290	complement(23652..24072)
repeat_region	24008..24290	/note="STS G07436"
repeat_region	23895..26364	/note="AluO repeat: matches 298. .6 of consensus"
repeat_region	26397..26697	/note="L1R2 repeat: matches 2. .449 of consensus"
repeat_region	26719..27021	/note="AluX repeat: matches 1. .302 of consensus"
repeat_region	29037..29334	/note="AluX repeat: matches 1. .302 of consensus"
repeat_region	30028..30310	/note="AluX repeat: matches 300. .3 of consensus"
repeat_region	30402..30539	/note="AluX repeat: matches 1. .301 of consensus"
repeat_region	30402..30615	/note="MUT2B repeat: matches 264. .404 of consensus"
repeat_region	30402..30615	/note="MUT2A repeat: matches 264. .453 of consensus"
prim_transcript	30980..31222	/note="match: 5' EST AA25902 clone 682136"
repeat_region	31232..31528	/note="MIR4B repeat: matches 199. .431 of consensus"
repeat_region	31530..31654	/note="AluSC repeat: matches 299. .1 of consensus"
repeat_region	31836..32135	/note="MIR4B repeat: matches 417. .540 of consensus"
repeat_region	32200..32301	/note="AluY repeat: matches 300. .1 of consensus"
repeat_region	32365..32493	/note="AluO repeat: matches 186. .287 of consensus"
repeat_region	33283..33399	incomplete repeat"
repeat_region	33408..33667	/note="MIR repeat: matches 206. .67 of consensus"
repeat_region	33956..34043	/note="AluY repeat: matches 77. .196 of consensus"
repeat_region	34725..34904	/note="MIR repeat: matches 1. .291 of consensus"
repeat_region	34907..35207	/note="MIR repeat: matches 80. .167 of consensus"
repeat_region	35212..35344	incomplete repeat"
repeat_region	35344..35344	/note="AluO repeat: matches 299. .127 of consensus"
repeat_region	35344..35344	/note="AluY repeat: matches 300. .1 of consensus"
repeat_region	35344..35344	/note="AluB repeat: matches 133. .1 of consensus"

[illegible]

Oy 721 attgacgtggcctaagccctggacatttcaagggaatatgaaaaactgagagcaaaacaa 780  
| | | | |  
Db 67686 ATTGACTGGGCTAAGCCCTGACTTTCAAGGAGAAATATGAAAACATGAGACAAACAAA 67627  
Oy 781 gacatggttaaaaggcaacacagaaatctggaaccttcaaaagcagctgccccacga 840  
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Db 67626 GACATGCTTAAAGGCAACACGAAACATGTGACCTTCAAGCACAGATGCCCCACACA 67567  
Oy 841 gggaccccggaagcatttcccttagaaggccagtttcttaagaaacttaagaactc 900  
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Db 67566 GGGACCCCTGAGGACTTTCCTTAGAAGCCAGTTTCTTAGAAGATCTTAGAAGACTC 67507  
Oy 901 ttgaaagatcatgaaatttcaacacattcaagataaaacaatctgcatgataatcag 960  
| | | | |  
Db 67506 TTGAAAGATCATGAAATTTTAACCATTTTAAGTATAAACAATATGCGATGATATACAG 67447  
Oy 961 tttaagacatgggtcccaatttataaagtcaggcatacaagatacgtgtccagctcc 1020  
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Db 67446 TTTAGACATGGGTCCCAATTTTATTAAGTCAGGCATACAGGATTAACGTGTCCAGCTCC 67387  
Oy 1021 ggataagtcagaataatcatagaaatcactgtgtcccaacttccaaacttttagaattgtc 1080  
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Db 67386 GGATAGGTCAAAATCATTAGAAATCACTGTGTCCCATCTTAACCTTTTCGAATGATC 67327  
Oy 1081 tgtcataagccctcacacacagagcccgatgtgtcgtacctacaacacatctacaaccaa 1140  
| | | | |  
Db 67326 TGTCTAACCTCCTCACACACAGGCCCGATGTGTCTGACTACACACACATCTAACCCCA 67267  
Oy 1141 gtgcctcaacaaatgtttaaagtgatcctcagtaagtcaccatlaacaatgccaactccc 1200  
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Db 67266 GTGCCTCAACCATTTGTAAAGTGTCTCATCTCAGTAGGTCCCATTAACAAATGCGACCTCCCC 67207  
Oy 1201 tgtgagagccctcccgctccacagaaagttccacactctgaccttgcacataagatgt 1260  
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Db 67206 TGTGAGGCCCATCCCGCTCCACAGAGAGTCTCCCATCTTAACCTTGTGCATCAGAGATGT 67147  
Oy 1261 taacagccagaagctcgtgtaaggtctgtgtcttcaacacacacatctatgtctaac 1320  
| | | | |  
Db 67146 TACAGCCAGAAAGCTCCGTGAGGGTGTGTCTTACACATCACTGATGATCTAAC 67087  
Oy 1321 acctgaagctacatgcaacctctgctcccaagttcaagaacatctcctgtctcagctcc 1380  
| | | | |  
Db 67086 ACCTGAGCTCACTCGAACCTCTGCTCCAGGTTCAACGAATTCCTGTCTCACCTCC 67027  
Oy 1381 cgcgtgaagctggactacacagagcgcaagcgttaattttgattgttagaagaattgg 1440  
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Db 67026 CGCGTAGCTGGACTACAGGGCGCACGCCGGCTAAATTTTGTATTGTATGATGAGATGGG 66967  
Oy 1441 gtttcaacatatlaagcccgctgtgtcttgaacctctgaacctcagtgatccacacacctc 1500  
| | | | |  
Db 66966 GTTTCACCATATTACGCCGGCGGTCTTGAACTCCTGAACCTGATGATCCACCACTC 66907  
Oy 1501 agcctcctaaagtgctggaatbtacaggaatgaatcagcgcgccggcgaagggctcagtgt 1560  
| | | | |  
Db 66906 AGCCCTCTAAAGTGTGGGATTTACAGCATGATCACCGCCCGCCCAAGAGGTCACTGT 66847  
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| | | | |  
Db 66846 TTAATAAGGAATAACTTTAATGTTTACTTAAACCAACAGGGAACAGCAAAAAGCTGTGA 66787  
Oy 1621 taatttcagggaatcttggatagtggaatgtgtcatagctagctgtcgtctagttccagac 1680  
| | | | |  
Db 66786 TAATTTCAGGGAATTTTGGGATGGGGAATGGTGCATGAGCTGCTGCTTATCCAGAC 66727  
Oy 1681 cactgtgtccatcatcttcttctccctcatccctcatcttcaaggtcaagttaaccatttat 1740  
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Db 66726 CACTGTGCTCTATCACTTTCTTCCCTCATCTCATTTTCAGGCTTAAGTTACCATTTTAT 66667  
Oy 1741 caccatgcttctgtgtgaagctccacatcgttactgaataaaggtatacataaacatag 1800  
| | | | |  
Db 66666 CACCATGCTTTTGTGTGAAGCTCCACATCGTTACTGAATAAGATATACATAAACAAG 66607

Oy 1801 ttccatttggggccatctgtgtgtgtataggggaagggcataccaccagaaactcct 1860  
| | | | |  
Db 66606 TTCCATTTTGGGGCCATCTGTGTGTGTATAGGGAGAGGAGGANTACCCAGAGACTCTCT 66547  
Oy 1861 tgaagcccccggcagaaggttccctctcagcttgggggaagccctgcaaacacccggggctc 1920  
| | | | |  
Db 66546 TGAAGCCCCCGGCAAGGTTTCTCTCAGTGGGGGAGCCCTGCACACCCGGGGTCC 66487  
Oy 1921 tgggtgtcctgagcaacctgtcacagccgtgcacactgtgtgtcttatacactccttag 1980  
| | | | |  
Db 66486 TGGGTGTCTTAGCAACCTGCCAGCCCTGCCACACTGTTGTTTGTATACACTCTCTAG 66427  
Oy 1981 gacctgtgtcttcbatcttcgtgtgactcgtltcaatcccaaggaatctatgaaact 2040  
| | | | |  
Db 66426 GACCTGTGCTTCTATTTCTGTGTGACTCTTCATTCATCAGAGCATTTCAATTGACAT 66367  
Oy 2041 tatagagtaactatatactgccaagacacaggaacaaatlggttgagcaagaaagtaacgc 2100  
| | | | |  
Db 66366 TATTGAGTACTTATATCTGCGACAGACACAGACAAATGTGACCAAGCATCTGTC 66307  
Oy 2101 cctaacctcgttggaggtgacagattctcatgtgaagagctgcagaagaatatlaatagca 2160  
| | | | |  
Db 66306 CTTACTTCTGTGAGAGTACAGTTCATGTGAAGACCTGCAGAAAGAAATTAATAGCCA 66247  
Oy 2161 gccaaattaaacccagtgctgaaagaagaataaacaacacatcttgaagaattgtgcgc 2220  
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Db 66246 GCAACTTAACCCAGTCTGTAAGAAAGAAATTAACACCATCTTGAAGATGTGCGC 66187  
Oy 2221 agcatcccttaacaaagagccacctcctcctagcgccccctgtcttccatctcgtgccggag 2280  
| | | | |  
Db 66186 AGCATCCCTTAACAAGGCGACCTCCCTAGCGCCCTCTCTCTCCTCAATGATGCCCCGGAG 66127  
Oy 2281 cccccaaagcccgagctcttccaaagcctcctcctcaatcagacagcgctcagctgtgct 2340  
| | | | |  
Db 66126 CCCCCAAGCCGAGTCTTCAAGCTCTCTCTCATAGTACAGACGCTGCAGCTGCGCT 66067  
Oy 2341 gctctgcttcccgtyaactgtctcgtgtgcatctgaagctgtggaactccttgcagagct 2400  
| | | | |  
Db 66066 GCCTGCTTCCCGTGAATCGTCTGTGTCATCTGAGCTGAGAGTCCCTGAGCTCCAGCT 66007  
Oy 2401 ccaagaagaagaatggaaggggaactagttcaacggaatctggaaggggaagaggttctc 2460  
| | | | |  
Db 66006 CCAGAAAGAAATGAGAGGAGGAACACTTACCGCAAAATCTGAGGGGACAGTGTTC 65947  
Oy 2461 ctcaagagggaaggggcttccacagctccagagaatctccaggaaggttggagacttgcagagag 2520  
| | | | |  
Db 65946 CTCAGAGGGAAGGGGCTCCACGCTCCAGAGAAATCCAGGAGGTGGGACTGCAGGGAG 65887  
Oy 2521 tggggaacgttggggtgagcggtgtctgaaagccaagaaggtgaaagggcaaggtcgaa 2580  
| | | | |  
Db 65886 TGGGAGCCTGGGCGCTGAGCGGGTCTGAAGGCGCAAGGTGAAGAAAGGCAAGGCTGAA 65827  
Oy 2581 gctgcaccaagatgttcaagtggttcaagcggtgtgggaatttctcgttctcctgtgagc 2640  
| | | | |  
Db 65826 GCTGCCAGATGTTCAAGTGTTCACGGGCTGGGAATTTTCGCTTCTCTGTGAGC 65767  
Oy 2641 cttttatcttctcgtctggaaggaagaaggtctatcttcaagaaggaatgcaatttc 2700  
| | | | |  
Db 65766 CTTTATCTTTTCTCTGCTGAGAGAGAAAGATCTTTCATGAAGAGATGCACTTTC 65707  
Oy 2701 ataaagtcagctgttaaaattccagaggtgtgcattgggttttctcctcacgaagcccttat 2760  
| | | | |  
Db 65706 ATAAAGTCAGCTTAATAATTCAGAGGTGTCATGGGTTTCTTCAAGAGGCTTTAT 65647  
Oy 2761 ttaatgggaataataagaaagagctcatcttccctagggccggttaattcaaggaagaagtgaac 2820  
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Db 65646 TTAATGGGAATAATAGAGCGCAGCTCATTTCTAGGCCGTTTAATTCACAGGAAGATGAC 65587  
Oy 2821 tggagcttcttcttctcagatgtcttctcggcaactactcaagccctgtgtgtggaacttgccta 2880  
| | | | |  
Db 65586 TGGAGTCTTTTCTTTCATGATGCTTCTGGGCAACTACTACGCCCTGTGGTGGACTTGGCTTA 65527  
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[illegible][illegible]

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VERSION	AC024490.3 GI:8076950
KEYWORDS	HTG: HTGS_PHASE1; HTGS_DRAFT.
SOURCE	human.
ORGANISM	Homo sapiens
REFERENCE	Eukaryota: Metazoa: Chordata: Craniata: Vertebrata: Euteleostomi: Mammalia: Eutheria: Primates: Catarrhini: Homnidae: Homo.
AUTHORS	1 (bases 1 to 170425)
TITLE	Birren,B., Linton,L., Nusbaum,C. and Lander,E.
JOURNAL	Homo sapiens chromosome 1, clone RP11-138F3
REFERENCE	unpublished
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Birren,B., Linton,L., Nusbaum,C., Lander,E., Abraham,H., Allen,N., Anderson,S., Baldwin,J., Batra,N., Bida,F., Boguslavsky,L., Boukhalter,B., Brown,A., Burkett,G., Campiano,A., Castle,A., Choepel,Y., Collangelo,M., Collins,S., Collymore,A., Cooke,P., DeRellano,K., Dewar,K., Diaz,J.S., Dodge,S., Domino,M., Doyle,M., Feneiro,T., Ferreira,P., FitzHugh,M., Forrest,C., Gage,D., Galagan,J., Gardyna,S., Ginde,S., Coyette,M., Graham,L., Grand-Pierre,N., Grant,G., Hagos,B., Heathford,A., Horton,L., Howland,J.C., Iliev,I., Johnson,R., Jones,C., Kann,L., Karatas,A., Klein,J., Landers,T., Largocque,K., Lehocaky,J., Levine,R., Liu,C., Liu,G., Locke,K., MacDonald,P., Marquis,N., McCarthy,M., Mcwan,P., McGurk,A., McKernan,K., Mcpheeters,R., Meldrum,J., Menusz,L., Mihova,T., Miranda,C., Mlenka,V., Morrow,J., Naylor,J., Norman,C.H., O'Connor,T., O'Donnell,P., O'Neill,D., Olivier,T.M., Peterson,K., Pierre,N., Pisalci,C., Pollara,V., Raymond,C., Riley,R., Rogov,P., Rothman,D., Roy,A., Santos,R., Schauer,S., Severy,P., Spencer,B., Stange-Thomann,N., Stojanovic,N., Subramanian,A., Talamas,J., Testaye,S., Theodore,J., Tirelli,A., Travers,M., Trigilio,J., Vassiliev,H., Viel,R., Vo,A., Wilson,B., Wu,X., Wyman,D., Ye,W.J., Young,G., Zainoun,J., Zimmer,A. and Zody,W.	
Direct Submission	
Submitted (28-FEB-2000) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA	
On May 25, 2000 this sequence version replaced g1:7249345.	
All repeats were identified using RepeatMasker:	
Smrt, A.F.A. & Green, P. (1996-1997)	
http://ftp.genome.washington.edu/RM/RepeatMasker.html	
Center: Whitehead Institute/MIT Center for Genome Research	
Genome Institute	
Center code: WIBR	
Web site: http://www-seq.wi.mit.edu	
Contact: sequence.submissions@genome.wi.mit.edu	
----- Project Information -----	
Center project name: L7153	
Center clone name: 138_F_3	
Summary Statistics	
Sequencing vector: MJ3; M7815; 100% of reads	
Chemistry: Dye-terminator Big Dye; 100% of reads	
Assembly program: Phrap; version 0.960731	
Consensus quality: 151483 bases at least Q40	
Consensus quality: 160439 bases at least Q30	
Consensus quality: 164708 bases at least Q20	
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Insert size: 167725; sum-of-contigs	
Quality coverage: 4.1 in Q20 bases; agarose-fp	
Quality coverage: 4.1 in Q20 bases; sum-of-contigs	
----- NOTE: This is a 'working draft' sequence. It currently consists of 28 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as * runs of N, but the exact sizes of the gaps are unknown. * This record will be updated with the finished sequence. *	

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DEFINITION	Homo sapiens trabecular meshwork inducible glucocorticoid response protein (TIGR) gene, promoter region and partial mRNA sequence.		
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VERSION	AF007562.1	GI:2970123	
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REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
AUTHORS	Nguyen,T.D., Chen,P., Huang,W.D., Chen,H., Johnson,D. and Polansky,J.R.		
TITLE	Gene structure and properties of TIGR, an olfactomedin-related glycoprotein cloned from glucocorticoid-induced trabecular meshwork cells		
JOURNAL	J. Biol. Chem. 273 (11), 6341-6350 (1998)		
MEDLINE	98165818		
REFERENCE	2 (bases 1 to 5300)		
AUTHORS	Nguyen,T.D., Chen,P., Chen,H. and Polansky,J.R.		
TITLE	Direct Submission		
JOURNAL	Submitted (10-JUN-1997) Ophthalmology, University of California San Francisco, 10 Kirkham Street, San Francisco, CA 94143-0730, USA		
FEATURES	Location/Qualifiers		
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REFERENCE  
AUTHORS Escobedo, J., Ortego, J. and Coca-Prados, M.  
TITLE Isolation and characterization of cell-specific cDNA clones from a  
subtractive library of the ocular body of a single normal  
human donor: transcription and synthesis of plasma proteins  
J. Biochem. 118 (5), 921-931 (1995)  
JOURNAL MEDLINE  
REFERENCE 96318503  
AUTHORS 2 (sites)  
TITLE Stuenkel, E.M., Fingert, J.H., Alward, W.L., Nguyen, T.D., Polansky, J.R.,  
Sunder, S.L., Nishimura, D., Clark, A.F., Nystuen, A., Nichols, B.E.,  
Ritch, R., Kalenak, J.W., Craven, E.R. and Sheffield, V.C.  
J. Identification of a gene that causes primary open angle glaucoma  
Identification 275 (3300), 668-670 (1997)  
JOURNAL MEDLINE  
REFERENCE 97158493  
AUTHORS 3 (sites)  
TITLE Kubota, R., Noda, S., Wang, Y., Minoshima, S., Asakawa, S., Kudoh, J.,  
Mashima, Y., Oguchi, Y. and Shimizu, N.  
A novel myosin-like protein (myocillin) expressed in the connecting  
cilium of the photoreceptor: molecular cloning, tissue expression,  
and chromosomal mapping  
Genomics 41 (3), 360-369 (1997)  
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REFERENCE 97312692  
AUTHORS 4 (sites)  
TITLE Kubota, R., Kudoh, J., Mashima, Y., Asakawa, S., Minoshima, S.,  
Hejmancik, J.F., Oguchi, Y. and Shimizu, N.  
Genomic organization of the human myocillin gene (MYOC) responsible  
for primary open angle glaucoma (GIC1A)  
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JOURNAL MEDLINE  
REFERENCE 98113364  
AUTHORS 5 (bases 1 to 1228)  
TITLE Shimizu, N. and Kudoh, J.  
Direct Submission  
Submitted (16-AUG-1997) to the DDBJ/EMBL/GenBank databases.  
Nobuyoshi Shimizu, Keio University School of Medicine, Department  
of Molecular Biology, 35 Shinanomachi, Shinjuku-ku, Tokyo 160-8582,  
Japan (E-mail: shimizu@med.keio.ac.jp)  
Tel:81-3-3351-2370(ex.2720), Fax:81-3-3351-2370)  
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LOCUS Homo sapiens GLC1A (treabecular meshwork induced glucocorticoid  
DEFINITION response) gene, exon 1, joined CDS.  
ACCESSION Z97171.1 GI:2425156  
VERSION Z97171.1  
KEYWORDS GLC1A.  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.  
REFERENCE 1 (bases 1 to 1086)  
AUTHORS Stone,E.M., Finger,T.J.H., Alward,W.L., Nguyen,T.D., Polansky,J.R.,  
Sunden,S.L., Nishimura,D., Clark,A.F., Nystuen,A., Nichols,B.E.,  
Ritch,R., Kalemak,J.W., Craven,E.R. and Sheffield,V.C.  
TITLE Identification of a gene that causes primary open angle glaucoma  
JOURNAL Science 275 (5300), 666-670 (1997)  
MEDLINE 97158493  
REFERENCE 2 (bases 1 to 1086)  
AUTHORS Adam,M.F., Belmouden,A., Binisti,P., Brezin,A.P., Valloc,F.,  
Bachetolle,A., Descotte,J.C., Copin,B., Gomez,L., Chaventre,A.,  
Bach,J.F. and Garchon,H.J.  
TITLE Recurrent mutations in a single exon encoding the evolutionarily  
conserved olfactomedin-homology domain of TIGR in familial  
open angle glaucoma  
JOURNAL Hum. Mol. Genet. 6 (12), 2091-2097 (1997)  
MEDLINE 97472461  
REFERENCE 3 (bases 1 to 1086)  
AUTHORS Garchon,H.J.  
TITLE Direct Submission  
JOURNAL Submitted (20-JUN-1997) Garchon H.-J., Hopital Necker, INSERM U25,  
161 rue de Sevres 75743 Paris cedex 15 FRANCE  
FEATURES  
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Db 361 TAAACCTCTGTGAGCTCGGGCATGAGCCACCAAGGCCACCATCTCAGGCACTTACGC 420  
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Db 541 TGTGGAGATGTGGGGCCAGGACACTCAGCTCAGGAAGGCCAATGACCAGAGTGGCGAT 600  
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RESULT 7
LOCUS D88214 1934 bp mRNA PRI 07-FEB-1999
DEFINITION Homo sapiens mRNA for myocillin, complete cds.
ACCESSION D88214
VERSION D88214.1 GI:2627176
KEYWORDS myocillin.
SOURCE Homo sapiens retina cDNA to mRNA, clone_11b:human retina cDNA
LIBRARY 5 stretch (CONTECH).
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;
Primates; Catarrhini; Hominoidea; Homo.
1 (bases 1 to 1934)
Shimizu, N.
Direct Submission
Submitted (02-OCT-1996) to the DDBJ/EMBL/GenBank databases.
Nobuyoshi Shimizu, Keio University School of Medicine, Department
of Molecular Biology, 35 Shinanomachi, Shinjuku-ku, Tokyo 160,
Japan (E-mail: shimizu@dm.med.keio.ac.jp, Tel: 03-3351-2370,
Fax: 03-3351-2370)
2 (sites)
REFERENCE
AUTHORS Kubota, R., Noda, S., Wang, Y., Minoshima, S., Asakawa, S., Kudo, J.,
Mashima, Y., Oguchi, Y. and Shimizu, N.
TITLE A novel myosin-like protein (myocillin) expressed in the connecting
cilium of the photoreceptor: molecular cloning, tissue expression,
and chromosomal mapping
JOURNAL Genomics 41 (3), 360-369 (1997)
MEDLINE 97312692
COMMENT On Nov 20, 1997 this sequence version replaced gi:2104213.
FEATURES
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Best local Similarity 99.5%; Pred. No. 5.4e-132;
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RESULT 8  
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DEFINITION Sequence 2 from patent US 5861497.  
ACCESSION AR030962  
VERSION AR030962.1 GI:5944176  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 1999)  
AUTHORS Nguyen,T.D., Polansky,J.R. and Huang,W.  
TITLE Triebecular meshwork induced glucocorticoid response (TIGR) nucleic acid molecules  
JOURNAL Patent: US 5861497-A 2 19-JAN-1999;  
FEATURES Location/Qualifiers  
source 1..1999  
BASE COUNT 537 a 508 c 534 g 420 t  
ORIGIN

Query Match 10.4%: Score 640.4; DB 5; Length 1999;  
Best Local Similarity 99.8%; Pred. No. 1.2e-129;  
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LOCUS AR06022 1999 bp DNA PAT 29-SEP-1999  
DEFINITION Sequence 2 from patent US 5849879.  
ACCESSION AR06022  
VERSION AR06022.1 GI:596238  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 1999)  
AUTHORS Nguyen,T.D., Polansky,J.R. and Huang,W.  
TITLE Methods for the diagnosis of glaucoma  
JOURNAL Patent: US 5849879-A 2 15-DEC-1998;  
FEATURES Location/Qualifiers  
source 1..1999  
BASE COUNT 537 a 508 c 534 g 420 t  
ORIGIN

Query Match 10.4%: Score 640.4; DB 5; Length 1999;  
Best Local Similarity 99.8%; Pred. No. 1.2e-129;  
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Oy 5541 tcagtcatacctaacttcaagagagacagcagcaccacacagcttagacctggagggccac 5600  
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Oy 5901 cgagacactgctcgggctgctgacacaggtccacagagagtcacagagagtt 5942  
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LOCUS AR069089 1999 bp DNA PAT 29-SEP-1999  
DEFINITION Sequence 2 from patent US 5854415.  
ACCESSION AR069089

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VERSION      AR069089.1  GI:6001296
KEYWORDS
SOURCE       Unknown.
ORGANISM     Unknown.
REFERENCE    1 (bases 1 to 1999)
AUTHORS     Nguyen,T.D., Polansky,J.R. and Huang,W.
TITLE       Methods for the diagnosis of glaucoma
JOURNAL     Patent: US 5854415-A 2 29-DEC-1998;
FEATURES
SOURCE      1..1999
            /organism="unknown"
BASE COUNT  537 a 508 c 534 g 420 t
ORIGIN
Query Match      10.4%  Score 640.4  DB 5  Length 1999;
Best Local Similarity 99.8%  Pred. No. 1,2e-129;
Matches 641; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5301 aagagcttcagaggaagagctcacagagctcgaatgagtgctctctgtgacgttcg
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QY 5421 gattgtgagggcagagacagctcagagctcagaggaagggccaatgacagagtgagcag
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QY 5481 tctactcttgaagtgtgagcagctcccaatgaaatcagctgtgccagagagagccagagcag
Db 181 TATACCTTAGTGTGGCCAGTCCCAATGAATCCAGTCCCAAGAGAGAGCCAGGSCCATG 240
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QY 5721 gaccagctggaaccacacacacagagaggttggaagactgctcctacagcaacctcctcgaagac
Db 421 GACCACTTGGAACCCAAACCAAGAGAGTTGGAGACTGCTTACGCAACCTCTCTCCAGAGAC 480
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QY 5901 cgaagacacgtctcggagctgtgcccacagaggtctcagaagaaggt 5942
Db 601 CGAGACACTGCTCGGCGCTGTGCCACCAAGGCTCCAGAGAAAGTT 642

RESULT 11
LOCUS      HS085257      2000 bp      mRNA      PRI      19-MAR-1998
DEFINITION Human trabecular meshwork Inducible glucocorticoid response protein
            (TIGR) mRNA, complete cds.
ACCESSION  U85257
VERSION    U85257.1  GI:2978428
KEYWORDS
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SOURCE      human.
ORGANISM    Homo sapiens
REFERENCE   1 (bases 1 to 2000)
AUTHORS    Nguyen,T.D. and Polansky,J.R.
TITLE      Glucocorticoid effects on HTM cells: Molecular Biology Approaches
JOURNAL    Glaucoma Update 4, 331-343 (1991)
REFERENCE   2 (bases 1 to 2000)
AUTHORS    Stone,F.M., Fingert,J.H., Alward,W.L.M., Nguyen,T.D.,
            Polansky,J.R., Sundén,S.L.F., Nishimura,D., Clark,A.F., Nystuen,A.,
            Nichols,B.E., Mackey,D.A., Ritch,R., Kalenak,J.W., Craven,E.R. and
            Sheffield,V.C.
TITLE      Identification of a gene that causes primary open angle glaucoma
JOURNAL    Science 275 (5300), 668-670 (1997)
REFERENCE   3 (bases 1 to 2000)
AUTHORS    Nguyen,T.D., Chen,P., Huang,W.D., Chen,H., Johnson,D. and
            Polansky,J.R.
TITLE      Gene structure and properties of TIGR, an olfactomedin-related
            glycoprotein cloned from glucocorticoid-induced trabecular meshwork
            cells
JOURNAL    J. Biol. Chem. 273 (11), 6341-6350 (1998)
REFERENCE   4 (bases 1 to 2000)
AUTHORS    Nguyen,T.D. and Polansky,J.R.
TITLE      Direct Submission
JOURNAL    Submitted (13-JAN-1997) Ophthalmology, University of California San
            Francisco, 10 Kirkham Street, San Francisco, CA 94143, USA
            5 (bases 1 to 2000)
            Nguyen,T.D.
            Direct Submission
            Submitted (02-APR-1997) Ophthalmology, University of California San
            Francisco, 10 Kirkham Street, San Francisco, CA 94143, USA
            Sequence update by submitter
            6 (bases 1 to 2000)
            Nguyen,T.D.
            Direct Submission
            Submitted (19-MAR-1998) Ophthalmology, University of California San
            Francisco, 10 Kirkham Street, San Francisco, CA 94143, USA
            Sequence update by submitter
            On Mar 19, 1998 this sequence version replaced gi:1945067.
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            /xref="1945068"
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/note="Additional 3'UTR sequence deposited as TIGR gene  
sequence with GenBank Accession Number AF012654"  
BASE COUNT 538 a 508 c 534 g 420 t  
ORIGIN

Query Match 10.4%; Score 640.4; DB 66; Length 2000;  
Best Local Similarity 99.8%; Pred. No. 1,2e-129;  
Matches 641; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 5301 agagcttccagaggaagcctcaccagcctcgcgaatgaggtctctctgacgctgac 5360  
DB 1 AGACCTTCCAGAGGAAGCCTCACCACCTCTGCAATGAGTTCTTGTGACGCTGC 60  
OY 5361 tgcagcttgagcctgagatgacgctgctcagcctgctcgcctgctgctgctg 5420  
DB 61 TGCAGCTTTGGGCTTGAGATGCTCAGCTGCTCCAGCTGCTGCTGCTGCTGCTG 120  
OY 5421 gatgtggggcagagacagctcagctcagagagcgaatgacagagtgagcagtgccag 5480  
DB 121 GATGTGGGGCCAGAGACAGCTCAGCTCAGAGGCAATGACAGAGTGCGCGATGCCAG 180  
OY 5481 tatacctcagtgctgagcagctcccaatgaaatccagctgcccagagcagagccagcatg 5540  
DB 181 TATACCTTCACTGTGGCCAGTCCCAATGAATCCAGCTGCCAGAGCAGACGCGCATG 240  
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DB 241 TCAGTCACTCCATTAACCTTACAGAGACAGACCCCAACCTTATGACTTGAGAGCCACC 300  
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DB 301 AAAGCTGACACTCAGCTCCTCTGAGAGCTCCTCCACCAATTGACTTGAGACAGGCTGCC 360  
OY 5661 aggcctccagagagacccagagagggctgacagagagagcttgagcaccctgagcgagagcg 5720  
DB 361 AGGCCCCAGAGAGACCCAGAGGGGCTGCAGAGGGAGCTGGGACCCCTGAGCGGAGCGG 420  
OY 5721 gaccagcttgagaaacccaacagagagtgagagctgctcaccagaaactctccagagac 5780  
DB 421 GACCAGCTGGAACCCAAACCAAGAGAGTGGAGACTGCTTACAGCAACCTCTCCGAGAC 480  
OY 5781 aagtcagcttcctgagagagagagagagcgaactaaggaagaaatgaaatctgagcag 5840  
DB 481 AAGTCAGTTCCTGAGAGAGAGAGAGAGGAGGACTTAAGCAAGAAATGAAATCTGGCCAGG 540  
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DB 541 AGGTTGGAAGACAGACAGCCAGAGGTAGCAAGGCTGAGAAAGGGGCGCAAGTCTCCAGAC 600  
OY 5901 cgaagacactgctcggtgctgctccacagagctccagagaaggt 5942  
DB 601 CGAGACACTGCTCGGGCTGTGCTCCACAGGCTCCAGAGAAATT 642

RESULT 12  
LOCUS AB4847 2002 bp DNA PAT 21-JAN-2000  
DEFINITION Sequence 2 from Patent WO9844108.  
ACCESSION AB4847  
VERSION AB4847.1 GI:6733711  
KEYWORDS  
SOURCE unidentified.  
ORGANISM unidentified.  
REFERENCE 1 (bases 1 to 2002)  
AUTHORS Huang, W. and Nguyen, T. D.  
TITLE DIAGNOSIS AND PROGNOSIS OF GLAUCOMA  
JOURNAL Patent: WO 9844108-A 08-OCT-1998;  
FEATURES Location/Qualifiers  
source 1..2002

/organism="unidentified"  
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BASE COUNT 538 a 508 c 535 g 421 t  
ORIGIN

Query Match 10.4%; Score 640.4; DB 5; Length 2002;  
Best Local Similarity 99.8%; Pred. No. 1,2e-129;  
Matches 641; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 5301 agagcttccagaggaagcctcaccagcctcgcgaatgaggtctctctgacgctgac 5360  
DB 1 AGACCTTCCAGAGGAAGCCTCACCACCTCTGCAATGAGTTCTTGTGACGCTGC 60  
OY 5361 tgcagcttgagcctgagatgacgctgctcagcctgctcgcctgctgctgctgctg 5420  
DB 61 TGCAGCTTTGGGCTTGAGATGCTCAGCTGCTCCAGCTGCTGCTGCTGCTGCTG 120  
OY 5421 gatgtggggcagagacagctcagctcagagagcgaatgacagagtgagcagtgccag 5480  
DB 121 GATGTGGGGCCAGAGACAGCTCAGCTCAGAGGCAATGACAGAGTGCGCGATGCCAG 180  
OY 5481 tatacctcagtgctgagcagctcccaatgaaatccagctgcccagagcagagccagcatg 5540  
DB 181 TATACCTTCACTGTGGCCAGTCCCAATGAATCCAGCTGCCAGAGCAGACGCGCATG 240  
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DB 301 AAAGCTGACACTCAGCTCCTCTGAGAGCTCCTCCACCAATTGACTTGAGACAGGCTGCC 360  
OY 5661 aggcctccagagagacccagagagggctgacagagagagcttgagcaccctgagcgagagcg 5720  
DB 361 AGGCCCCAGAGAGACCCAGAGGGGCTGCAGAGGGAGCTGGGACCCCTGAGCGGAGCGG 420  
OY 5721 gaccagcttgagaaacccaacagagagtgagagctgctcaccagaaactctccagagac 5780  
DB 421 GACCAGCTGGAACCCAAACCAAGAGAGTGGAGACTGCTTACAGCAACCTCTCCGAGAC 480  
OY 5781 aagtcagcttcctgagagagagagagcgaactaaggaagaaatgaaatctgagcag 5840  
DB 481 AAGTCAGTTCCTGAGAGAGAGAGAGGAGGACTTAAGCAAGAAATGAAATCTGGCCAGG 540  
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DB 541 AGGTTGGAAGACAGACAGCCAGAGGTAGCAAGGCTGAGAAAGGGGCGCAAGTCTCCAGAC 600  
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DB 601 CGAGACACTGCTCGGGCTGTGCTCCACAGGCTCCAGAGAAATT 642

RESULT 13  
LOCUS AB4850 2000 bp DNA PAT 21-JAN-2000  
DEFINITION Sequence 2 from Patent WO9844107.  
ACCESSION AB4850  
VERSION AB4850.1 GI:6733713  
KEYWORDS  
SOURCE unidentified.  
ORGANISM unidentified.  
REFERENCE 1 (bases 1 to 2000)  
AUTHORS Huang, W. and Nguyen, T. D.  
TITLE DIAGNOSIS AND PROGNOSIS OF GLAUCOMA  
JOURNAL Patent: WO 9844107-A 08-OCT-1998;  
FEATURES Location/Qualifiers  
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## RESULT 15

LOCUS A84848 1512 bp DNA PAT 21-JAN-2000  
DEFINITION Sequence 3 from Patent WO9844108.  
ACCESSION A84848  
VERSION A84848.1 GI:6733712  
KEYWORDS

SOURCE unidentified.  
ORGANISM unidentified.

REFERENCE 1 (bases 1 to 1512)  
AUTHORS Huang, W. and Nguyen, T. D.  
TITLE DIAGNOSIS AND PROGNOSIS OF GLAUCOMA  
JOURNAL Patent: WO 9844108-A 08-OCT-1998;  
HUANG WEIDONG (US); NGUYEN THAI D (US)  
FEATURES Location/Qualifiers  
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BASE COUNT 392 a 406 c 423 g 291 t  
ORIGIN

Query Match 9.8%; Score 604.4; DB 5; Length 1512;

Best Local Similarity 99.8%; Pred. No. 8.5e-123; Matches 605; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Oy 5637 caatgaaccttgaaccagagctgcagagccccaagagagaccagagagagctgcaagagggag 5696  
Db 301 CAATTGACCTTGGAGACAGAGCTGCCAGGCCCAAGAGACCCAGAGAGGGGCTGCAGAGGGAG 360  
Oy 5697 ctggcaccttgaagcggagcggagacagcttggaaacccaaccagagagcttggagact 5756  
Db 361 CTGGCACCTTGAGGCGGAGCGGAGCCGAGCTGMAACCAACCAAGAGAGTTGAGACT 420  
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Db 421 GCTTACAGCAACCTCTCTCGAGACAGTCAAGTTCTGAGGAGAGAGAAAGACGACTAAGG 480  
Oy 5817 caagaaatgaagatcttgcagagagagtgtagaaagcagccagagagtagcaaggtcg 5876  
Db 481 CAAGAAATGAGAAATCTGGCCAGAGAGTTGGAAGACAGACAGCAGAGAGTAGCAAGCTG 540  
Oy 5877 agaaagggcagctgtccccaagaccgagaacactctcggtctgtgccacaggtccaga 5936  
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Db 601 GAAGTT 606

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